Incoming
M/001/0067
Peter

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

RECEIVED
AUG 17 2016
DIV. OF OIL, GAS & MINING

AUG 15 2016

Mr. David McMullin
CEO
CS Mining, LLC
PO Box 608
1208 South 200 West
Milford, Utah 84751

Dear Mr. McMullin:

Subject: Site Review and Inspection of the CS Mine located near Milford, Utah on July 20, 2016. UPDES Permit Number UTR266219.

I appreciated meeting you and your team on July 20, 2016. The SWPPP was updated in December 2014 and was complete. The facility currently is not operating and has several detention ponds throughout the property. Drainage ditches have also been installed to control storm water including a lined pond. See attached photos and inspection report. There were no deficiencies observed and no response is required at this time..

If you have any questions concerning the report do not hesitate to contact me at (801) 536-4393. Thank you.

Sincerely,

Mike George, Environmental Scientist
UPDES IES Section

MG:nf

Enclosures(3): 1. 3560 (DWQ-2016-012418)
2. Inspection report (DWQ-2016-012419)
3. Photo Log (DWQ-2016-012420)

cc: Paul Wright, DEQ District Engineer, w/encl.
Robert Beers, Environmental Health Director, SW Utah Public Health Dept., w/encl.
Peter Brinton, Utah Division of Oil, Gas and Mining, w/encl.

DWQ-2016-012417

195 North 1950 West • Salt Lake City, UT
Mailing Address: P.O. Box 144870 • Salt Lake City, UT 84114-4870
Telephone (801) 536-4300 • Fax (801) 536-4301 • T.D.D. (801) 903-3978
www.deq.utah.gov

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding *(i.e., ICIS)*

Transaction Code	UPDES	yr/mo/day	Inspection Type	Inspector	Fac. Type
N (1) 5 (2)	UTR262192 (3–11)	160720 (12–17)	~ (18)	S (19)	2 (20)

Remarks
COMPLIANCE EVALUATION INSPECTION (21–66)

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
1.5 (67–69)	5 (70)	N (71)	N (72)	(73–80)

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*

CS MINING, LLC
HIGHWAY 21 WEST THEN NORTH
MILFORD, UTAH 84751

Entry Time/ Date	Permit Effective Date
01:00 PM 07/20/2016	01/24/2014
Exit Time/ Date	**Permit Expiration Date**
04:30 PM 07/20/2016	12/31/2020

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

DAVID MCMULLIN
CSM (CEO)
435-6387-5053
FAX 435-387-5088

BOB BAYER
CONSULTANT TO CSM
435-387-5053
FAX 435-387-5088

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

SIC 1021

Name, Address of Responsible Official/Title/Phone and Fax Number

DAVID MCMULLIN
CSM (CEO)
PO BOX 608 1208 SOUTH 200 WEST, MILFORD, UTAH 84751
435-387-5053

Contacted: [X] Yes [ ] No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

X	Permit	X	Self Monitoring Program		Pretreatment		MS4
	Records/Reports		Compliance Schedule	X	Pollution Prevention		
X	Facility Site Review		Laboratory	X	Storm Water		
	Effluent/Receiving Waters	X	Operations & Maintenance		Combined Sewer Overflow		
	Flow Measurement		Sludge Handling/Disposal		Sanitary Sewer Overflow		

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Number(s)	Date
MIKE GEORGE, ENVIRONMENTAL SCIENTIST	DIVISION OF WATER QUALITY (801) 536-4393	8-15-16
Name and Signature of Management Q A Reviewer JEFF STUDENKA, MANAGER UPDES STORM WATER SECTION	Agency/Office/Phone and Fax Number(s) DIVISION OF WATER QUALITY (801) 536-4395	Date 8-15-16

INSTRUCTIONS

Section A: National Data System Coding *(i.e., ICIS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	X	Toxics Inspection	6	IU Non-Sampling Inspection with Pretreatment
B	Compliance Biomonitoring	Z	Sludge - Biosolids	7	IU Toxics with Pretreatment
C	Compliance Evaluation (non-sampling)	#	Combined Sewer Overflow-Sampling	!	Pretreatment Compliance (Oversight)@ Follow-up (enforcement)
D	Diagnostic	$	Combined Sewer Overflow-Non-Sampling	{	Storm Water-Construction-Sampling
F	Pretreatment (Follow-up)	+	Sanitary Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
I	Industrial User (IU) Inspection	\	CAFO-Sampling	~	Storm Water-Non-Construction-Non-Sampling
J	Complaints	=	CAFO-Non-Sampling	<	Storm Water-MS4-Sampling
M	Multimedia	2	IU Sampling Inspection	-	Storm Water-MS4-Non-Sampling
N	Spill	3	IU Non-Sampling Inspection	>	Storm Water-MS4-Audit
O	Compliance Evaluation (Oversight)	4	IU Toxics Inspection		
P	Pretreatment Compliance Inspection	5	IU Sampling Inspection with Pretreatment		
R	Reconnaissance				
S	Compliance Sampling				
U	IU Inspection with Pretreatment Audit				

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A-	State (Contractor)	O-	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B-	EPA (Contractor)	P-	Other Inspectors, State (Specify in Remarks columns)
E-	Corps of Engineers	R-	EPA Regional Inspector
J-	Joint EPA/State Inspectors—EPA Lead	S-	State Inspector
L-	Local Health Department (State)	T-	Joint State/EPA Inspectors—State lea
N-	NEIC Inspectors		

Column 20: Facility Type. Use one of the codes below to describe the facility.

1- Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2- Industrial. Other than municipal, agricultural, and Federal facilities.
3- Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4- Federal. Facilities identified as Federal by the EPA Regional Office.
5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

UPDES Storm Water Industrial Inspection

Background Information

National Database Information	
Inspection Type	**W**
UPDES ID Number	UTR266219
Inspection Date	07/20/2016
Inspector Type	EPA **State** EPA Oversight

General	
Inspector Name	MIKE GEORGE
Telephone	801-536-4393
Entry Time	01:00 PM
Exit Time	04:30 PM

Facility Location Information				
Name/Location/ Mailing Address	CS MINING, LLC P.O. BOX 608 1208 SOUTH 200 WEST, MILFORD, UTAH 84532			
GPS Coordinates	Latitude	38.4734	Longitude	113.1242
Receiving Water(s)	HICKORY WASH			
MS4's	N/A			

Contact Information		
	Name	Telephone
Owner/Permittee	CS MINING, LLC	435-387-5053
Operator	SAME	
Co-Permittee	N/A	
Facility Contact & Title	TYLER POLLOCK ON-SITE MANAGER STACY RIGGS ON-SITE MANAGER	435-387-5053 435-387-5053
Authorized Official(s)	DAVID MCMULLIN	435-387-5053

Site Information:	
Industrial Activity	COPPER MINING
SIC Code(s)	1021

UPDES Storm Water
Industrial Inspection

Basic Permit Information *(circle one)*		
Permit Coverage	**Y**	N
Permit Type	**General**	Individual
Copy of NOI on site?	**Y**	N
NOI Date	JANUARY 24, 2014	

Basic SWPPP Information		
SWPPP on site	**Y**	N
SWPPP Satisfactory*	**Y**	N
SWPPP Implementation Satisfactory	**Y**	N

*A Satisfactory SWPPP must be both current and complete (see pages 4, 5, and 6 of this checklist).

General	
Industrial Activity	*(describe principal product, production rate, potential pollutants, areas exposed to precipitation, direction of storm water flow)* PRODUCTION OF COPPER AND OTHER MINERALS
	(*describe age and size of facility, number of employees, hours of operation*) APPROX 10 MILES WEST OF MILFORD, UTAH 465 ACRES FACILITY NOT OPERATING

SWPPP Implementation *(complete in field)*

Storm Water Controls	
List the structural and non-structural controls employed by the facility.	*(provide a brief description of each)* **STRUCTURAL:** EARTHEN DAMS, LINED PONDS, DETENTION BASINS, AND BURMS THAT DIVERT STORM WATER TO SEVERAL DETENTION BASINS. **NON:** EMPLOYEE TRAINING, HOUSEKEEPING, INSPECTIONS INCLUDING ANNUAL COMPREHENSIVE EVALUATIONS, AND SPILL PREVENTION .
Are the controls reasonable and installed correctly and maintained?	*(indicate "yes" or "no", or if not appropriate, explain)* **YES**

UPDES Storm Water
Industrial Inspection

SWPPP Implementation *(continued)*

Storm Water Controls (continued)	
Provide a brief description of other controls that manage/prevent/ minimize storm water runoff.	*(e.g., erosion and sediment controls, exposure minimization, diversion structures, pollution prevention, inlet protection/control at storm drains)* EARTHEN DAMS AND BERMS ARE USED FOR EROSION AND SEDIMENT CONTOL ON THE ACTIVE MINE SITES AND AT ALL CONSTRUCTION PROJECTS

Miscellaneous	
Any evidence of discharge to receiving waters?	*(e.g., storm water runoff, dry weather discharge, co-mingling of process waste water* NO
Do the storm water outfalls on site correspond with those listed on the site map and in SWPPP?	*(indicate "yes" or "no", or if not appropriate, explain)* ALL STORM WATER IS RETAINED ON-SITE

SWPPP Review *(can be completed in office)*

General			Notes:
Is a copy of the SWPPP on site?	Y	N	SWPPP WAS UPDATED DECEMBER 22, 2014
Did all "operators" and co-permittees sign the SWPPP?	Y	N	
Did the signatures include the certification statement?	Y	N	

UPDES Storm Water
Industrial Inspection

Were the signatories authorized to sign?	Y	N	
Is an individual/team responsible for developing/implementing SWPPP identified (e.g., pollution prevention team)?	Y	N	
Are employee training records regarding storm water pollution prevention topics included in SWPPP?	Y	N	CONDUCTED AT LEAST ANNUALLY FOR ALL EMPLOYEES

Site Map			Notes:
Is there a site map?	Y	N	
Drainage patterns/ outfalls?	Y	N	
Identification of types of pollutants?	Y	N	
Location of major structural controls used to reduce pollutants in runoff?	Y	N	NEW BERM NEEDS TO BE ADDED TO THE SWPPP
Name of receiving water(s) or MS4's listed?	Y	N	HICKERY WASH
Is receiving water a tributary to waters of the U.S. (if "yes" indicate name of tributary)?	Y	N	
Location of significant materials exposed to storm water?	Y	N	
Locations of major spills occurring within 3 years from date of NOI?	Y	N	NO SPILLS WERE LISTED ON THE SITE MAP
Location of fueling, maintenance, loading and unloading, material storage, waste disposal?	Y	N	

SWPPP Review *(continued)*

Summary of Potential Pollutant Sources			Notes:
Description of activities, materials, features of site with potential to contribute significant amounts of pollutants to storm water?	Y	N	NO MINING ACTIVITIES ARE OCCURING AT THIS TIME

Significant Spills & Leaks			Notes:
List of significant spills and leaks over 3 year time period, description of response taken, and actions to prevent similar spills in the future?	Y	N	FACILITY DID NOT REPORT ANY SIGNNIFICANT SPILLS OR LEAKS OVER THE LAST THREE YEARS. FACILITY DOES HAVE AN SPCC PLAN

UPDES Storm Water Industrial Inspection

Storm Water Controls			Notes:
Does the SWPPP describe the *non-structural* controls and structural controls that will be used to prevent/reduce discharge of pollutants in storm water runoff?	Y	N	GOOD HOUSEKEEPING, WASTE DISPOSAL, INSPECTIONS, EMPLOYEE TRAINING, PREVENTIVE MAINTENANCE, INSPECTIONS AND INVENTORY OF EXPOSED MATERIALS
Does the SWPPP describe other controls that will be used to prevent/reduce off-site tracking or blowing of sediment, dust and raw, final or waste materials, or other solid materials and floating debris?	Y	N	WATER IS APPLIED TO DIRT ROAD SURFACES AS NEEDED
Does the SWPPP incorporate the 8 baseline controls (good housekeeping, minimizing exposure, PM, spill prevention/response procedures, routine inspections and comprehensive site evaluations, employee training, sediment and erosion control, runoff management)?	Y	N	
Does the SWPPP contain completed routine inspection reports/logs regarding reportable implementation of 8 baseline controls?	Y	N	INSPECTIONS ARE PERFORMED AT LEAST QUARTERLY BUT MOSTLY MONTHLY
Does the SWPPP describe the pollutant or activity to be controlled by each selected control and provide an implementation schedule?	Y	N	NO ACTIVITY AT THE MINE AT TIME OF THE INSPECTION

SWPPP Review (*continued*)

Non-Storm Water Discharges			Notes:
Certification that facility has been tested for non-storm water discharges from the site?	Y	N	EVALUATED IN DECEMBER 2014
Description of testing method, drainage points, observed results, and date of test?	Y	N	VISUAL TEST

Monitoring			Notes:
Are samples collected within 30 minutes of measurable weather events occurring 72 hours after previous measurable weather event?	Y	N	

UPDES Storm Water
Industrial Inspection

	Photograph Log
1.	LINER UNDER TANK
2.	LINER UNDER TANK
3.	LINER UNDER TANKS
4.	STORM WATER LINED POND
5.	LINER UNDER NEW TANKS
6.	LINED STORM WATER POND
7.	LINED STORM WATER POND
8.	NEW TANKS
9.	PROCESS WASTE WATERPOND
10.	SAME AS PHOTO 9
11.	SAME AS PHOTO 9
12.	SAME AS PHOTO 9
13.	SAME AS PHOTO 9
14.	PROCESS WATER POND FAVING EAST
15.	